Applicant: Masayuki Tobita et al.

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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

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Listing of Claims:

- 1. (Original) A thermal conductive polymer molded article formed by molding a thermotropic liquid crystalline composition comprised mainly of a thermotropic liquid crystalline polymer, wherein the thermal conductive polymer molded article is formed by applying a field selected from the group consisting of a magnetic field and an electric field to the thermotropic liquid crystalline composition melted by heating so that the thermal conductive polymer molded article has a first thermal conductivity (λ_1) higher than a second thermal conductivity (λ_2) of a molded article formed by molding the thermotropic liquid crystalline polymer without said application of a magnetic field or an electric field.
- 2. (Original) The thermal conductive polymer molded article according to claim 1, wherein the thermotropic liquid crystalline composition consists solely of the thermotropic liquid crystalline polymer.
- 3. (Original) The thermal conductive polymer molded article according to claim 1, wherein the thermotropic liquid crystalline composition comprises 100 parts by weight of the thermotropic liquid crystalline polymer and 5 parts by weight or less of a thermal conductive filler relative to the thermotropic liquid crystalline polymer.
- 4. (Original) The thermal conductive polymer molded article according to claim 1, wherein the thermal conductive polymer molded article has the first thermal conductivity (λ_1) of between 0.7 and 20 W/(m·K).

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- 5. (Original) The thermal conductive polymer molded article according to claim 1, wherein the thermotropic liquid crystalline polymer comprises at least one polymer selected from the group consisting of (A) a wholly aromatic polyester and (B) a wholly aromatic polyester amide.
- 6. (Original) The thermal conductive polymer molded article according to claim 1, wherein the molded article has a density of 1.10 to less than 1.50 g/cm.sup.3.
- 7. (Original) The thermal conductive polymer molded article according to claim 1, wherein the thermal conductive polymer molded article is in a sheet form and has a thermal conductivity (λ_1) of between 0.7 and 20 W/(m·K) in the thickness direction of the sheet.
- 8. (Original) The thermal conductive polymer molded article according to claim 1, wherein the difference $(\lambda_1-\lambda_2)$ between the first thermal conductivity (λ_1) and the second thermal conductivity (λ_2) is between 0.2 and 19.8 W/(m·K).
- 9. (Original) The thermal conductive polymer molded article according to claim 1, wherein said thermal conductive polymer molded article is in a sheet form and has a thermal conductivity (λ_{1P}) of between 0.7 and 20 W/(m·K) in the direction parallel to the surface of the sheet.
- 10. (Original) A method for producing a thermal conductive polymer molded article, the method comprising steps of: melting by heating a polymer selected from the group consisting of a thermotropic liquid crystalline polymer and a thermotropic liquid crystalline composition; applying a field, selected from the group consisting of a magnetic field and an electric field, to the melted polymer; and solidifying by cooling the melted polymer after the step of applying the field to the melted polymer.

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- 11. (Original) The method for producing a thermal conductive polymer molded article according to claim 10, wherein the melting step comprises a step of molding the polymer into a sheet form, and the step of applying the field to the polymer comprises a step of applying the field in the thickness direction of the sheet form.
- 12. (Original) The method for producing a thermal conductive polymer molded article according to claim 10, wherein the melting step comprises a step of molding the polymer into a sheet form, and the step of applying the field to the polymer comprises a step of applying the field in the direction parallel to the surface of the sheet form.
- 13. (Original) A method for controlling a thermal conductive polymer molded article in thermal conductivity, the method comprising steps of: melting by heating a polymer selected from the group consisting of a thermotropic liquid crystalline polymer and a thermotropic liquid crystalline composition; and applying a field selected from the group consisting of a magnetic field and an electric field to the melted polymer, wherein the direction of the field is controlled to the direction in which the first thermal conductivity (λ_1) of the thermal conductive polymer molded article is improved.